



**Water Monitoring Result at M5B - Central Cooling Water Intake Group
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
02/05/2018	21:02	Cloudy	Middle	3.5	24.40	24.40	24.40	8.05	8.05	8.05	32.13	32.13	32.13	78.0	80.5	79.6	5.16	5.32	5.26	1.29	1.34	1.28	4	4.50
	21:03		Middle	3.5	24.40	24.40		8.05	8.05		32.13	32.14		79.5	80.2		5.26	5.31		1.25	1.24		5	
04/05/2018	09:25	Fine	Middle	4.0	24.40	24.40	24.40	8.27	8.27	8.28	32.75	32.75	32.75	90.9	90.8	90.6	6.30	6.29	6.27	8.79	8.75	8.72	9	10.00
	09:27		Middle	4.0	24.40	24.40		8.28	8.28		32.75	32.75		90.3	90.3		6.25	6.25		8.65	8.68		11	
07/05/2018	04:19	Cloudy	Middle	3.0	25.40	25.40	25.40	8.11	8.11	8.11	31.95	31.95	31.95	76.4	77.9	77.1	5.23	5.33	5.28	1.32	1.38	1.31	4	5.00
	04:20		Middle	3.0	25.40	25.40		8.11	8.11		31.95	31.95		77.0	77.1		5.27	5.27		1.22	1.30		6	
10/05/2018	03:28	Cloudy	Middle	3.5	23.40	23.40	23.40	8.20	8.20	8.20	32.87	32.87	32.87	75.7	77.6	76.9	5.36	5.46	5.42	3.25	3.34	3.21	4	4.50
	03:29		Middle	3.5	23.40	23.40		8.20	8.20		32.87	32.87		77.1	77.0		5.44	5.43		3.09	3.14		5	
12/05/2018	17:05	Fine	Middle	4.0	25.70	25.70	25.75	8.16	8.16	8.18	32.52	32.52	32.52	87.7	88.1	87.9	5.95	5.97	5.96	9.74	9.66	9.75	14	<u>15.00</u>
	17:07		Middle	4.0	25.80	25.80		8.20	8.20		32.51	32.51		87.6	88.3		5.93	5.97		9.79	9.79		16	
14/05/2018	18:20	Fine	Middle	4.0	26.60	26.60	26.70	8.17	8.17	8.18	31.73	31.73	31.73	86.3	85.6	85.8	5.79	5.73	5.75	10.74	10.66	10.65	11	11.50
	18:22		Middle	4.0	26.80	26.80		8.19	8.19		31.73	31.73		85.7	85.6		5.73	5.73		10.62	10.59		12	
16/05/2018	17:55	Fine	Middle	3.0	26.90	26.90	26.90	8.10	8.10	8.10	30.72	30.72	30.72	77.1	78.6	78.4	5.16	5.27	5.26	9.01	8.69	9.02	13	11.50
	17:56		Middle	3.0	26.90	26.90		8.10	8.10		30.72	30.72		79.9	78.1		5.36	5.24		8.41	9.96		10	
19/05/2018	09:50	Fine	Middle	4.0	27.50	27.50	27.55	8.19	8.19	8.19	30.04	30.04	30.05	86.8	86.3	86.6	5.79	5.73	5.77	8.69	8.62	8.62	4	3.00
	09:52		Middle	4.0	27.60	27.60		8.19	8.19		30.05	30.05		86.6	86.5		5.77	5.77		8.59	8.58		2	
21/05/2018	11:05	Fine	Middle	4.0	27.60	27.60	27.65	8.19	8.19	8.20	30.53	30.53	30.53	86.8	87.2	86.9	5.76	5.78	5.66	8.34	8.35	8.35	2	2.00
	11:07		Middle	4.0	27.70	27.70		8.20	8.20		30.52	30.52		86.6	87.1		5.74	5.38		8.36	8.35		<2	
23/05/2018	13:35	Fine	Middle	4.0	28.70	28.70	28.80	8.22	8.22	8.23	30.19	30.19	30.19	86.1	86.7	86.1	5.62	5.68	5.61	8.73	8.72	8.76	7	6.50
	13:37		Middle	4.0	28.90	28.90		8.23	8.23		30.18	30.18		86.0	85.4		5.60	5.55		8.78	8.79		6	
25/05/2018	16:20	Fine	Middle	4.0	28.90	28.90	29.00	8.36	8.36	8.37	29.60	29.60	29.60	92.6	93.1	92.4	6.04	6.08	6.03	8.08	8.12	8.11	6	5.50
	16:22		Middle	4.0	29.10	29.10		8.37	8.37		29.60	29.60		92.1	91.6		6.01	5.97		8.12	8.13		5	
28/05/2018	16:30	Fine	Middle	4.0	31.40	31.40	31.45	8.31	8.31	8.31	29.10	29.10	29.10	88.7	89.3	88.7	5.59	5.62	5.58	8.61	8.64	8.64	5	5.00
	16:32		Middle	4.0	31.50	31.50		8.31	8.31		29.10	29.10		88.4	88.4		5.56	5.56		8.67	8.65		5	
30/05/2018	18:52	Fine	Middle	3.0	29.20	29.20	29.20	8.11	8.11	8.11	30.91	30.91	30.91	79.2	78.4	79.0	5.11	5.06	5.10	2.31	2.04	2.18	5	5.00
	18:53		Middle	3.0	29.20	29.20		8.11	8.11		30.91	30.91		78.8	79.6		5.09	5.14		2.15	2.21		5	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at Culvert J - Reference Station
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH		Salinity		DO Saturation		DO		Turbidity		Suspended Solids							
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
02/05/2018	21:09	Cloudy	Middle	3.0	24.40	24.40	24.40	7.74	7.74	7.74	29.93	29.93	29.93	60.5	61.3	60.6	4.06	4.10	4.06	2.17	1.93	2.03	5	4.50
	21:10		Middle	3.0	24.40	24.40		7.74	7.74		29.93	29.93		59.5	61.2		3.98	4.09		2.06	1.97		4	
04/05/2018	09:20	Fine	Middle	4.0	24.50	24.50	24.60	8.22	8.22	8.24	32.50	32.50	32.50	87.5	87.2	87.4	6.05	6.03	6.04	8.83	8.80	8.81	8	7.50
	09:22		Middle	4.0	24.70	24.70		8.26	8.26		32.50	32.50		87.4	87.4		6.06	6.03		8.80	8.81		7	
07/05/2018	04:27	Cloudy	Middle	2.5	25.50	25.50	25.50	7.82	7.82	7.82	30.60	30.60	30.60	56.9	58.3	57.5	3.92	4.01	3.96	1.10	1.80	1.51	4	4.50
	04:28		Middle	2.5	25.50	25.50		7.82	7.82		30.60	30.60		57.2	57.5		3.94	3.96		1.31	1.81		5	
10/05/2018	04:03	Cloudy	Middle	3.0	23.30	23.30	23.30	7.50	7.50	7.50	28.56	28.56	28.56	21.2	21.7	21.3	1.54	1.57	1.53	10.10	9.56	9.77	7	7.00
	04:04		Middle	3.0	23.30	23.30		7.50	7.50		28.55	28.55		20.6	21.8		1.48	1.51		9.73	9.69		7	
12/05/2018	17:00	Fine	Middle	3.5	26.20	26.20	26.35	8.13	8.13	8.13	29.36	29.36	29.36	77.2	77.1	77.2	5.26	5.26	5.26	15.29	15.29	15.29	9	8.00
	17:02		Middle	3.5	26.50	26.50		8.13	8.13		29.35	29.35		77.1	77.2		5.24	5.26		15.29	15.29		7	
14/05/2018	18:15	Fine	Middle	4.0	27.20	27.20	27.30	8.14	8.14	8.15	30.34	30.34	30.34	75.8	75.4	75.5	5.06	5.04	5.04	20.31	20.29	20.28	12	12.50
	18:17		Middle	4.0	27.40	27.40		8.15	8.15		30.33	30.33		75.5	75.2		5.04	5.01		20.26	20.26		13	
16/05/2018	18:10	Fine	Middle	3.0	26.90	26.90	26.90	8.01	8.01	8.01	27.78	27.78	27.78	65.5	68.1	67.7	4.47	4.65	4.62	16.76	16.86	15.82	19	17.50
	18:11		Middle	3.0	26.90	26.90		8.00	8.00		27.78	27.78		69.0	68.0		4.71	4.64		14.95	14.72		16	
19/05/2018	09:45	Fine	Middle	4.0	27.40	27.40	27.50	8.17	8.17	8.17	29.82	29.82	29.82	78.0	78.0	78.0	5.21	5.21	5.22	9.09	9.01	9.03	4	4.50
	09:47		Middle	4.0	27.60	27.60		8.17	8.17		29.81	29.81		77.7	78.2		5.18	5.27		9.00	9.00		5	
21/05/2018	11:00	Fine	Middle	3.5	28.20	28.20	28.30	8.17	8.17	8.17	30.14	30.14	30.14	78.9	78.9	79.1	5.19	5.19	5.20	9.00	9.00	9.00	2	2.00
	11:02		Middle	3.5	28.40	28.40		8.17	8.17		30.13	30.13		79.2	79.2		5.20	5.20		9.00	9.01		<2	
23/05/2018	13:30	Fine	Middle	3.5	29.60	29.60	29.60	8.19	8.19	8.19	30.10	30.10	30.10	84.0	83.8	83.5	5.40	5.39	5.38	9.04	9.05	9.08	8	7.50
	13:32		Middle	3.5	29.60	29.60		8.19	8.19		30.10	30.10		83.0	83.1		5.35	5.36		9.11	9.12		7	
25/05/2018	16:15	Fine	Middle	3.5	29.30	29.30	29.40	8.32	8.32	8.33	29.25	29.25	29.25	90.7	91.2	90.6	5.89	5.92	5.88	8.39	8.39	8.39	6	5.00
	16:17		Middle	3.5	29.50	29.50		8.33	8.33		29.24	29.24		90.1	90.4		5.84	5.86		8.39	8.39		4	
28/05/2018	16:25	Fine	Middle	3.5	32.00	32.00	32.15	8.32	8.32	8.31	28.90	28.90	28.90	87.3	88.9	88.5	5.44	5.53	5.51	8.31	8.31	8.31	6	6.50
	16:27		Middle	3.5	32.30	32.30		8.30	8.30		28.89	28.89		88.7	89.2		5.51	5.54		8.32	8.31		7	
30/05/2018	19:00	Fine	Middle	3.0	29.20	29.20	29.20	7.95	7.95	7.94	27.13	27.13	27.13	54.9	56.4	55.7	3.63	3.72	3.68	8.63	8.37	8.42	12	11.00
	19:01		Middle	3.0	29.20	29.20		7.93	7.93		27.13	27.13		55.1	56.3		3.64	3.71		8.22	8.46		10	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Colling Water Intake Group
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
02/05/2018	14:35	Fine	Middle	3.5	26.70	26.70	26.80	8.19	8.19	8.19	31.84	31.84	31.84	85.6	85.2	85.5	5.72	5.69	5.71	6.43	6.45	6.45	4	5.00
	14:37		Middle	3.5	26.90	26.90		8.18	8.18		31.84	31.84		85.4	85.6		5.70	5.71		6.45	6.45		6	
04/05/2018	15:25	Cloudy	Middle	4.0	24.70	24.70	24.70	8.24	8.24	8.25	32.32	32.32	32.32	88.9	89.1	89.0	6.15	6.16	6.15	8.06	8.07	8.08	6	6.50
	15:27		Middle	4.0	24.70	24.70		8.26	8.26		32.32	32.32		89.0	89.0		6.15	6.15		8.08	8.12		7	
07/05/2018	14:35	Cloudy	Middle	4.0	26.20	26.20	26.30	8.21	8.21	8.22	32.15	32.15	32.15	87.8	88.1	87.9	5.91	5.93	5.91	8.50	8.50	8.48	6	5.50
	14:37		Middle	4.0	26.40	26.40		8.22	8.22		32.15	32.15		87.8	87.9		5.90	5.91		8.49	8.44		5	
09/05/2018	18:35	Cloudy	Middle	3.5	23.20	3.20	18.20	8.19	8.19	8.19	32.87	32.87	32.87	75.1	74.9	74.5	5.30	5.29	5.26	2.84	2.85	2.83	4	5.00
	18:36		Middle	3.5	23.20	23.20		8.19	8.19		32.87	32.87		74.2	73.9		5.24	5.21		2.85	2.76		6	
12/05/2018	10:05	Cloudy	Middle	4.0	25.10	25.10	25.15	8.22	8.22	8.24	32.73	32.73	32.73	88.2	87.9	88.1	6.04	6.01	6.02	8.51	8.43	8.44	6	6.00
	10:07		Middle	4.0	25.20	25.20		8.25	8.25		32.72	32.72		88.7	87.4		6.06	5.98		8.42	8.41		6	
14/05/2018	13:15	Fine	Middle	4.0	27.40	27.40	27.50	8.14	8.14	8.15	31.67	31.67	31.67	84.6	84.8	84.5	5.59	5.60	5.58	9.58	9.56	9.58	9	8.00
	13:17		Middle	4.0	27.60	27.60		8.16	8.16		31.66	31.66		84.3	84.4		5.56	5.57		9.58	9.60		7	
16/05/2018	13:20	Fine	Middle	3.5	27.40	27.40	27.20	8.03	8.03	8.03	30.66	30.66	30.68	86.7	87.0	86.3	5.82	5.84	5.80	17.27	17.28	17.27	12	12.00
	13:22		Middle	3.5	27.00	27.00		8.02	8.02		30.70	30.70		85.8	85.8		5.75	5.79		17.26	17.25		12	
19/05/2018	14:15	Fine	Middle	4.0	28.30	28.30	28.40	8.18	8.18	8.18	29.64	29.64	29.65	85.8	85.2	85.1	5.65	5.61	5.60	8.38	8.38	8.39	4	4.00
	14:17		Middle	4.0	28.50	28.50		8.18	8.18		29.65	29.65		84.5	85.0		5.55	5.59		8.39	8.39		4	
21/05/2018	17:15	Fine	Middle	4.0	29.10	29.10	28.90	8.13	8.13	8.16	29.56	29.56	29.56	84.9	85.0	84.9	5.58	5.58	5.57	13.05	13.00	12.99	9	8.50
	17:17		Middle	4.0	28.70	28.70		8.18	8.18		29.55	29.55		84.4	85.3		5.53	5.59		12.97	12.95		8	
23/05/2018	19:05	Fine	Middle	3.5	27.10	27.10	27.10	8.22	8.22	8.22	29.99	29.99	29.99	65.4	65.7	66.0	4.40	4.42	4.44	1.27	1.30	1.38	2	4.00
	19:06		Middle	3.5	27.10	27.10		8.22	8.22		29.99	29.99		66.4	66.6		4.46	4.48		1.48	1.45		6	
25/05/2018	09:20	Fine	Middle	4.0	27.80	27.80	27.85	8.29	8.29	8.30	30.17	30.17	30.17	86.0	85.2	85.6	5.70	5.65	5.67	8.08	8.05	8.05	4	4.50
	09:22		Middle	4.0	27.90	27.90		8.30	8.30		30.17	30.17		85.7	85.3		5.68	5.65		8.05	8.03		5	
28/05/2018	13:30	Fine	Middle	3.5	30.20	30.20	30.20	8.28	8.28	8.28	29.11	29.11	29.13	86.5	86.9	86.4	5.56	5.58	5.55	8.09	8.08	8.09	6	5.50
	13:32		Middle	3.5	30.20	30.20		8.28	8.28		29.15	29.15		85.9	86.2		5.51	5.53		8.09	8.08		5	
30/05/2018	11:48	Fine	Middle	3.0	29.50	29.50	29.60	8.04	8.04	8.05	30.99	30.99	30.99	84.4	84.4	82.9	5.42	5.42	5.30	8.75	8.71	8.62	2	2.00
	11:50		Middle	3.0	29.70	29.70		8.06	8.06		30.98	30.98		82.6	80.3		5.30	5.05		8.73	8.28		2	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
02/05/2018	14:40	Fine	Middle	4	26.70	26.70	26.80	8.13	8.13	8.12	31.21	31.21	31.21	83.7	83.3	83.5	5.58	5.59	5.61	8.49	8.49	8.52	7	6.00
	14:42		Middle	4	26.90	26.90		8.11	8.11		31.21	31.21		83.5	83.6		5.59	5.66		8.54	8.57		5	
04/05/2018	15:20	Cloudy	Middle	4	25.00	25.00	25.00	8.17	8.17	8.16	29.14	29.15	29.14	70.7	71.2	71.1	4.95	4.98	4.98	10.09	10.12	10.13	8	9.00
	15:22		Middle	4	25.00	25.00		8.14	8.14		29.14	29.14		71.3	71.3		4.99	4.99		10.15	10.15		10	
07/05/2018	14:30	Cloudy	Middle	4	26.90	26.90	27.00	8.16	8.16	8.17	32.35	32.35	32.35	84.1	84.4	84.2	5.59	5.60	5.57	8.39	8.31	8.32	6	5.50
	14:32		Middle	4	27.10	27.10		8.18	8.18		32.34	32.34		84.4	83.8		5.60	5.50		8.30	8.29		5	
09/05/2018	18:43	Cloudy	Middle	3	23.30	23.30	23.30	7.67	7.66	7.65	28.72	28.72	28.72	17.6	18.4	18.3	1.27	1.33	1.32	3.46	3.46	3.32	5	5.00
	18:44		Middle	3	23.30	23.30		7.64	7.64		28.72	28.72		18.7	18.4		1.35	1.33		3.23	3.11		5	
12/05/2018	10:00	Cloudy	Middle	4	25.40	25.40	25.45	8.20	8.20	8.20	31.36	31.36	31.36	78.0	77.8	77.9	5.35	5.34	5.34	8.75	8.78	8.78	4	4.50
	10:02		Middle	4	25.50	25.50		8.20	8.20		31.35	31.35		77.8	78.1		5.33	5.35		8.79	8.78		5	
14/05/2018	13:20	Fine	Middle	4	28.10	28.10	28.20	8.10	8.10	8.10	30.33	30.33	30.33	71.8	72.3	72.7	4.73	4.76	4.78	10.57	10.57	10.57	12	13.00
	13:22		Middle	4	28.30	28.30		8.09	8.09		30.33	30.33		73.3	73.2		4.82	4.81		10.57	10.57		14	
16/05/2018	13:15	Fine	Middle	4	27.60	27.60	27.75	8.05	8.05	8.06	25.76	25.76	25.76	61.4	61.4	61.7	4.18	4.18	4.20	16.11	16.11	16.12	11	11.00
	13:17		Middle	4	27.90	27.90		8.06	8.06		25.76	25.76		61.8	62.2		4.20	4.22		16.12	16.13		11	
19/05/2018	14:20	Fine	Middle	4	28.70	28.70	28.80	8.17	8.17	8.18	29.02	29.02	29.02	80.1	80.3	80.0	5.26	5.27	5.25	9.34	9.33	9.33	4	4.50
	14:22		Middle	4	28.90	28.90		8.18	8.18		29.02	29.02		79.7	79.9		5.22	5.23		9.33	9.32		5	
21/05/2018	17:20	Fine	Middle	4	28.80	28.80	28.90	8.15	8.15	8.15	27.72	27.72	27.72	70.9	71.1	71.3	4.68	4.69	4.71	9.31	9.32	9.32	2	2.00
	17:22		Middle	4	29.00	29.00		8.14	8.14		27.72	27.72		71.5	71.7		4.72	4.73		9.32	9.32		<2	
23/05/2018	19:13	Fine	Middle	3	27.40	27.40	27.40	7.92	7.92	7.92	26.75	26.75	26.75	64.8	65.1	65.1	4.42	4.44	4.44	4.55	4.41	4.41	5	5.00
	19:14		Middle	3	27.40	27.40		7.92	7.92		26.75	26.75		64.9	65.4		4.43	4.46		4.38	4.30		5	
25/05/2018	09:15	Fine	Middle	4	28.40	28.40	28.45	8.26	8.26	8.27	29.64	29.64	29.64	85.1	85.3	84.7	5.60	5.61	5.57	8.26	8.31	8.34	5	4.50
	09:17		Middle	4	28.50	28.50		8.27	8.27		29.64	29.64		84.4	84.1		5.55	5.53		8.38	8.39		4	
28/05/2018	13:25	Fine	Middle	4	31.20	31.20	31.30	8.25	8.25	8.25	29.05	29.05	29.05	84.2	84.7	84.1	5.31	5.34	5.30	8.49	8.46	8.43	5	5.00
	13:27		Middle	4	31.40	31.40		8.25	8.25		29.05	29.05		83.6	84.0		5.27	5.29		8.36	8.39		5	
30/05/2018	11:44	Fine	Middle	3	30.10	30.10	30.35	8.01	8.01	8.01	28.82	28.82	28.84	69.2	69.8	67.6	4.42	4.46	4.32	9.51	9.52	9.52	3	3.00
	11:46		Middle	3	30.60	30.60		8.00	8.00		28.85	28.85		67.3	64.0		4.30	4.09		9.52	9.52		3	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Cooling Water Intake Group
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
01/06/2018	21:37	Cloudy	Middle	3.0	29.40	29.40	29.40	8.04	8.04	8.04	31.16	31.16	31.16	79.4	80.3	79.9	5.12	5.17	5.15	1.69	1.41	1.47	4	4.50
	21:38		Middle	3.0	29.40	29.40		8.04	8.04		31.16	31.16		80.0	79.8		5.15	5.14		1.37	1.40		5	
04/06/2018	09:25	Cloudy	Middle	4.0	27.20	27.20	27.20	8.27	8.27	8.28	31.16	31.16	31.16	82.8	83.6	82.6	5.52	5.57	5.50	2.88	2.87	2.86	3	2.50
	09:27		Middle	4.0	27.20	27.20		8.28	8.28		31.16	31.16		81.4	82.4		5.43	5.49		2.84	2.83		2	
06/06/2018	03:53	Cloudy	Middle	3.5	28.00	28.00	28.00	8.00	8.00	8.00	30.38	30.38	30.38	77.8	77.9	77.6	5.13	5.15	5.12	1.88	1.48	1.48	4	3.00
	03:54		Middle	3.5	28.00	28.00		8.00	8.00		30.38	30.38		77.5	77.0		5.12	5.08		1.22	1.34		2	
09/06/2018	20:05	Cloudy	Middle	3.5	30.50	30.50	30.50	7.98	7.98	7.98	29.19	29.19	29.19	81.9	80.5	81.1	4.92	4.84	4.88	1.20	1.10	1.15	6	6.00
	20:06		Middle	3.5	30.50	30.50		7.98	7.98		29.19	29.19		80.7	81.1		4.86	4.88		1.17	1.14		<2	
11/06/2018	15:10	Fine	Middle	4.0	29.40	29.40	29.50	8.20	8.20	8.24	29.16	29.16	29.16	86.8	87.0	86.8	5.64	5.67	5.63	5.42	5.43	5.43	3	3.50
	15:12		Middle	4.0	29.60	29.60		8.28	8.28		29.15	29.15		85.9	87.5		5.56	5.63		5.44	5.44		4	
13/06/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
15/06/2018	21:17	Cloudy	Middle	3.5	29.40	29.40	29.40	8.10	8.10	8.10	30.05	30.05	30.05	74.2	74.4	74.4	4.66	4.66	4.67	1.12	1.54	1.39	8	7.00
	21:18		Middle	3.5	29.40	29.40		8.10	8.10		30.05	30.05		74.4	74.5		4.68	4.67		1.39	1.49		6	
19/06/2018	11:55	Fine	Middle	4.0	29.10	29.10	29.15	8.16	8.16	8.16	29.18	29.18	29.18	90.5	90.6	90.2	5.91	5.92	5.89	2.51	2.52	2.49	4	3.50
	11:57		Middle	4.0	29.20	29.20		8.16	8.16		29.18	29.18		89.5	90.3		5.84	5.89		2.48	2.45		3	
22/06/2018	01:58	Cloudy	Middle	3.0	28.50	28.50	28.50	8.01	8.01	8.01	25.41	25.40	25.40	69.4	70.2	70.3	4.74	4.76	4.78	1.13	1.83	1.46	6	4.50
	01:59		Middle	3.0	28.50	28.50		8.01	8.01		25.40	25.40		70.7	70.9		4.82	4.80		1.44	1.45		3	
24/06/2018	01:07	Cloudy	Middle	3.5	27.90	27.90	27.90	8.03	8.03	8.03	25.58	25.58	25.58	72.3	73.4	72.7	4.91	4.99	4.94	1.16	1.18	1.15	2	2.00
	01:08		Middle	3.5	27.90	27.90		8.03	8.03		25.58	25.58		72.4	72.7		4.92	4.94		1.14	1.12		2	
26/06/2018	17:45	Fine	Middle	3.5	28.90	28.90	28.95	8.23	8.23	8.23	26.53	26.53	26.56	94.9	95.8	95.1	6.31	6.36	6.31	4.11	4.12	4.13	6	6.00
	17:47		Middle	3.5	29.00	29.00		8.23	8.23		26.58	26.58		94.8	94.9		6.29	6.29		4.12	4.16		6	
28/06/2018	20:31	Fine	Middle	3.5	29.40	29.40	29.40	8.14	8.14	8.14	27.78	27.78	27.78	78.2	78.1	77.6	5.04	5.04	5.00	2.07	2.61	2.28	6	7.00
	20:32		Middle	3.5	29.40	29.40		8.14	8.14		27.78	27.78		76.8	77.2		4.95	4.98		2.31	2.12		8	
30/06/2018	20:10	Cloudy	Middle	2.5	29.10	29.10	29.10	8.11	8.11	8.11	27.18	27.18	27.18	77.4	78.4	77.5	5.12	5.20	5.13	1.89	1.42	1.48	6	6.00
	20:11		Middle	2.5	29.10	29.10		8.11	8.11		27.18	27.18		76.6	77.5		5.07	5.13		1.22	1.37		6	



**Water Monitoring Result at Culvert J - Reference Station
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH		Salinity		DO Saturation		DO		Turbidity		Suspended Solids							
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
01/06/2018	21:43	Cloudy	Middle	2.5	29.10	29.10	29.10	7.92	7.92	7.92	27.78	27.78	27.78	72.8	73.1	72.3	4.78	4.80	4.75	4.00	3.43	3.82	7	7.00
	21:44		Middle	2.5	29.10	29.10		7.92	7.92		27.78	27.78		71.7	71.5		4.71	4.70		3.99	3.85		7	
04/06/2018	09:20	Cloudy	Middle	3.5	27.20	27.20	27.25	8.26	8.26	8.26	30.78	30.78	30.78	76.3	75.9	76.0	5.10	5.07	5.08	2.83	2.85	2.85	3	3.00
	09:22		Middle	3.5	27.30	27.30		8.26	8.26		30.78	30.78		75.9	76.0		5.06	5.07		2.85	2.86		3	
06/06/2018	04:01	Cloudy	Middle	3.0	28.00	28.00	28.00	7.78	7.78	7.78	22.59	22.59	22.59	68.3	71.1	70.9	4.73	4.90	4.90	1.09	1.24	1.12	13	10.50
	04:02		Middle	3.0	28.00	28.00		7.78	7.78		22.59	22.59		72.5	71.8		5.01	4.96		1.10	1.04		8	
09/06/2018	20:13	Cloudy	Middle	3.0	29.00	29.00	29.00	7.50	7.50	7.50	22.31	22.31	22.31	53.6	55.3	54.4	3.41	3.52	3.46	3.10	3.04	3.11	5	5.50
	20:14		Middle	3.0	29.00	29.00		7.50	7.50		22.31	22.31		54.3	54.2		3.46	3.45		3.13	3.15		6	
11/06/2018	15:05	Fine	Middle	3.5	30.10	30.10	30.25	8.22	8.22	8.24	29.16	29.16	29.16	86.4	86.1	85.7	5.51	5.51	5.48	7.06	7.06	7.06	4	4.50
	15:07		Middle	3.5	30.40	30.40		8.25	8.25		29.16	29.16		84.9	85.3		5.43	5.45		7.06	7.07		5	
13/06/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
15/06/2018	21:23	Cloudy	Middle	3.0	29.60	29.60	29.60	7.60	7.61	7.60	27.19	27.19	27.19	52.0	53.6	53.8	3.31	3.41	3.42	1.21	1.34	1.28	4	4.00
	21:24		Middle	3.0	29.60	29.60		7.59	7.59		27.19	27.19		54.9	54.7		3.49	3.47		1.30	1.28		4	
19/06/2018	11:50	Fine	Middle	3.5	29.50	29.50	29.40	8.13	8.13	8.14	28.92	28.92	28.92	84.5	85.0	84.8	5.51	5.53	5.52	2.79	2.87	2.84	4	5.00
	11:52		Middle	3.5	29.30	29.30		8.14	8.14		28.92	28.92		84.8	84.9		5.52	5.53		2.85	2.84		6	
22/06/2018	02:21	Cloudy	Middle	2.5	28.60	28.60	28.60	7.52	7.52	7.52	23.09	23.09	23.09	17.9	18.5	18.5	1.22	1.26	1.26	4.80	4.76	4.55	7	6.50
	02:22		Middle	2.5	28.60	28.60		7.52	7.52		23.09	23.09		19.0	18.7		1.29	1.28		4.11	4.54		6	
24/06/2018	01:14	Cloudy	Middle	3.0	28.10	28.10	28.10	7.82	7.82	7.82	22.73	22.73	22.74	29.3	29.0	29.5	2.10	2.13	2.14	1.07	1.11	1.09	2	2.00
	01:15		Middle	3.0	28.10	28.10		7.82	7.82		22.74	22.74		29.7	29.8		2.16	2.15		1.06	1.13		<2	
26/06/2018	17:40	Fine	Middle	3.5	29.00	29.00	29.05	8.16	8.16	8.18	26.59	26.59	26.60	94.4	93.9	93.6	6.24	6.22	6.20	4.25	4.27	4.27	7	6.50
	17:42		Middle	3.5	29.10	29.10		8.20	8.20		26.61	26.61		93.0	93.2		6.16	6.17		4.27	4.27		6	
28/06/2018	20:40	Fine	Middle	3.0	29.00	29.00	29.00	7.81	7.81	7.81	24.61	24.61	24.61	12.7	13.4	13.4	0.84	0.89	0.89	1.19	1.09	1.20	9	9.00
	20:41		Middle	3.0	29.00	29.00		7.80	7.80		24.61	24.61		13.6	14.0		0.89	0.92		1.33	1.20		9	
30/06/2018	20:20	Cloudy	Middle	2.5	29.20	29.20	29.20	7.71	7.71	7.71	22.16	22.16	22.16	57.5	57.8	57.5	3.90	3.92	3.90	2.14	2.49	2.35	10	9.50
	20:21		Middle	2.5	29.20	29.20		7.71	7.71		22.16	22.16		57.4	57.3		3.89	3.89		2.44	2.31		9	



**Water Monitoring Result at M5B - Central Colling Water Intake Group
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
01/06/2018	14:40	Fine	Middle	4.0	28.70	28.70	28.50	8.12	8.12	8.11	30.27	30.27	30.37	79.0	80.0	81.1	5.20	5.25	5.33	8.18	8.17	8.18	<2	<2
	14:42		Middle	4.0	28.30	28.30		8.10	8.10		30.46	30.46		82.7	82.8		5.44	5.44		8.17	8.18		<2	
04/06/2018	13:50	Cloudy	Middle	4.0	28.00	28.00	28.05	8.38	8.38	8.38	31.06	31.06	31.06	86.4	86.4	85.9	5.68	5.68	5.65	2.55	2.55	2.53	3	3.50
	13:52		Middle	4.0	28.10	28.10		8.38	8.38		31.06	31.06		85.3	85.6		5.60	5.62		2.52	2.51		4	
06/06/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
09/06/2018	10:45	Fine	Middle	4.0	28.00	28.00	28.00	8.10	8.10	8.11	28.63	28.63	28.64	81.5	81.3	81.4	5.44	5.42	5.43	5.12	5.16	5.18	6	6.50
	10:47		Middle	4.0	28.00	28.00		8.12	8.12		28.65	28.65		81.4	81.4		5.43	5.43		5.20	5.24		7	
11/06/2018	11:20	Fine	Middle	4.0	29.10	29.10	29.15	8.23	8.23	8.23	29.27	29.27	29.27	83.0	83.3	82.9	5.42	5.44	5.41	6.41	6.40	6.41	3	3.00
	11:22		Middle	4.0	29.20	29.20		8.23	8.23		29.26	29.26		82.3	83.1		5.38	5.41		6.42	6.42		3	
13/06/2018	13:20	Cloudy	Middle	3.5	27.40	27.40	27.40	8.24	8.24	8.24	28.50	28.50	28.50	80.1	80.2	79.9	5.41	5.41	5.40	1.22	1.22	1.22	8	7.00
	13:22		Middle	3.5	27.40	27.40		8.24	8.24		28.50	28.50		79.4	80.0		5.36	5.40		1.21	1.23		6	
15/06/2018	13:55	Cloudy	Middle	4.0	27.70	27.70	27.70	8.16	8.16	8.16	29.47	29.47	29.48	90.1	90.2	90.1	6.06	6.02	6.03	1.88	1.89	1.88	3	3.50
	13:57		Middle	4.0	27.70	27.70		8.16	8.16		29.49	29.49		90.1	90.0		6.01	6.01		1.87	1.87		4	
19/06/2018	15:55	Cloudy	Middle	4.0	29.00	29.00	29.00	8.15	8.15	8.15	27.87	27.87	27.87	89.9	89.4	89.9	5.93	5.89	5.93	1.86	1.85	1.84	3	3.00
	15:57		Middle	4.0	29.00	29.00		8.15	8.15		27.87	27.87		90.1	90.2		5.94	5.95		1.84	1.81		3	
21/06/2018	20:35	Cloudy	Middle	3.0	28.60	28.60	28.60	8.04	8.04	8.04	25.58	25.58	25.58	69.3	70.0	69.5	4.66	4.70	4.67	1.06	1.09	1.12	3	3.00
	20:36		Middle	3.0	28.60	28.60		8.04	8.04		25.58	25.58		69.2	69.5		4.65	4.68		1.23	1.11		3	
23/06/2018	22:25	Cloudy	Middle	3.5	28.00	28.00	28.00	7.90	7.90	7.92	25.58	25.58	25.58	71.3	72.0	71.5	4.84	4.89	4.85	1.14	1.19	1.20	3	2.50
	22:26		Middle	3.5	28.00	28.00		7.93	7.93		25.58	25.58		71.0	71.5		4.82	4.86		1.21	1.24		2	
26/06/2018	13:05	Cloudy	Middle	3.5	29.80	29.80	29.75	8.21	8.21	8.22	26.76	26.76	26.76	95.7	95.3	95.0	6.28	6.25	6.23	4.60	4.61	4.63	10	10.50
	13:07		Middle	3.5	29.70	29.70		8.22	8.22		26.76	26.76		94.4	94.7		6.18	6.20		4.65	4.67		11	
28/06/2018	11:20	Fine	Middle	3.5	28.50	28.50	28.50	8.16	8.16	8.16	26.70	26.70	26.70	92.4	92.9	92.5	6.18	6.20	6.18	3.59	3.66	3.62	4	5.00
	11:22		Middle	3.5	28.50	28.50		8.16	8.16		26.70	26.70		92.5	92.2		6.19	6.16		3.61	3.63		6	
30/06/2018	13:05	Cloudy	Middle	3.5	29.30	29.30	29.35	8.13	8.13	8.14	26.50	26.50	26.51	94.0	94.4	93.7	6.21	6.23	6.18	4.07	4.06	4.06	6	6.00
	13:07		Middle	3.5	29.40	29.40		8.15	8.15		26.52	26.52		93.4	93.1		6.15	6.13		4.05	4.07		6	



**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
01/06/2018	14:35	Fine	Middle	4	28.70	28.70	28.80	8.14	8.14	8.12	28.18	28.18	28.68	63.9	64.3	63.9	4.22	4.25	4.21	8.16	8.17	8.17	4	4.50
	14:37		Middle	4	28.90	28.90		8.10	8.10		29.18	29.18		63.7	63.5		4.20	4.18		8.17	8.16		5	
04/06/2018	13:45	Cloudy	Middle	4	28.30	28.30	28.40	8.32	8.32	8.33	30.80	30.80	30.80	84.3	84.4	84.5	5.51	5.52	5.53	3.00	3.01	3.04	3	2.50
	13:47		Middle	4	28.50	28.50		8.34	8.34		30.80	30.80		84.8	84.6		5.54	5.53		3.09	3.06		2	
06/06/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
09/06/2018	10:40	Fine	Middle	4	28.10	28.10	28.20	8.12	8.12	8.12	26.22	26.22	26.22	71.6	72.7	72.1	4.86	4.90	4.87	7.63	7.61	7.62	4	5.00
	10:42		Middle	4	28.30	28.30		8.11	8.11		26.22	26.22		71.9	72.2		4.84	4.86		7.62	7.62		6	
11/06/2018	11:15	Fine	Middle	4	30.00	30.00	30.10	8.17	8.17	8.19	29.14	29.14	29.15	85.6	84.8	84.2	5.50	5.45	5.41	7.47	7.46	7.47	5	5.50
	11:17		Middle	4	30.20	30.20		8.21	8.21		29.16	29.16		83.4	83.0		5.35	5.33		7.46	7.47		6	
13/06/2018	13:15	Cloudy	Middle	4	27.40	27.40	27.45	8.17	8.17	8.19	28.37	28.37	28.37	79.2	79.9	79.3	5.35	5.39	5.35	1.57	1.48	1.52	7	6.00
	13:17		Middle	4	27.50	27.50		8.21	8.21		28.37	28.37		79.1	79.0		5.33	5.33		1.52	1.52		5	
15/06/2018	13:50	Cloudy	Middle	4	27.80	27.80	27.80	8.14	8.14	8.15	29.59	29.59	29.59	91.9	91.8	91.2	6.13	6.12	6.08	1.62	1.55	1.58	3	2.50
	13:52		Middle	4	27.80	27.80		8.15	8.15		29.59	29.59		90.9	90.3		6.06	6.02		1.57	1.57		2	
19/06/2018	15:50	Cloudy	Middle	4	29.10	29.10	29.10	8.10	8.10	8.10	27.86	27.86	27.87	85.8	84.9	85.7	5.65	5.59	5.64	1.98	1.95	1.94	6	5.00
	15:52		Middle	4	29.10	29.10		8.10	8.10		27.87	27.87		85.9	86.0		5.66	5.66		1.92	1.90		4	
21/06/2018	20:43	Cloudy	Middle	3	28.60	28.60	28.60	7.71	7.71	7.71	23.17	23.17	23.17	15.5	15.9	15.7	1.06	1.08	1.07	3.01	2.94	2.89	7	6.50
	20:44		Middle	3	28.60	28.60		7.71	7.71		23.17	23.17		15.4	15.8		1.05	1.08		2.81	2.79		6	
23/06/2018	22:37	Cloudy	Middle	3	28.10	28.10	28.10	7.52	7.52	7.52	21.20	21.20	21.20	31.0	32.0	31.8	2.22	2.23	2.25	1.08	1.12	1.14	4	4.00
	22:38		Middle	3	28.10	28.10		7.52	7.52		21.20	21.20		32.3	32.0		2.26	2.28		1.16	1.18		4	
26/06/2018	13:00	Cloudy	Middle	4	29.80	29.80	29.85	8.17	8.17	8.17	26.72	26.72	26.72	93.5	93.3	93.2	6.12	6.10	6.10	4.18	4.15	4.16	8	8.00
	13:02		Middle	4	29.90	29.90		8.17	8.17		26.72	26.72		93.2	92.8		6.09	6.07		4.16	4.16		8	
28/06/2018	11:15	Fine	Middle	4	28.50	28.50	28.55	8.04	8.04	8.05	23.81	23.81	23.81	79.4	79.6	79.6	5.39	5.40	5.40	7.19	7.23	7.23	6	6.50
	11:17		Middle	4	28.60	28.60		8.05	8.05		23.80	23.80		79.6	79.7		5.40	5.40		7.25	7.26		7	
30/06/2018	13:00	Cloudy	Middle	4	29.80	29.80	29.95	7.96	7.96	7.96	23.45	23.45	23.45	83.4	83.6	83.4	5.54	5.53	5.53	9.42	9.43	9.41	10	9.50
	13:02		Middle	4	30.10	30.10		7.96	7.96		23.45	23.45		83.3	83.1		5.53	5.51		9.40	9.39		9	



**Water Monitoring Result at M5B - Central Cooling Water Intake Group
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth m	Water Temperature °C			pH			Salinity ppt			DO Saturation %			DO mg/L			Turbidity NTU			Suspended Solids mg/L		
				Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average	
03/07/2018	08:25	Cloudy	Middle	4.0	27.30	27.30	27.35	8.10	8.10	8.10	28.08	28.08	28.08	86.2	86.8	86.8	5.83	5.87	5.87	2.47	2.47	2.47	4	3.50
	08:27		Middle	4.0	27.40	27.40		8.10	8.10		28.08	28.08		87.1	87.2		5.89	5.90		2.47	2.46		3	
05/07/2018	09:50	Fine	Middle	4.0	28.70	28.70	28.70	8.04	8.04	8.04	26.70	26.70	26.70	84.3	84.3	83.8	5.62	5.62	5.59	1.98	1.99	2.00	4	4.50
	09:52		Middle	4.0	28.70	28.70		8.04	8.04		26.70	26.70		83.3	83.4		5.55	5.56		2.01	2.00		5	
08/07/2018	23:34	Cloudy	Middle	3.0	32.30	32.30	32.30	8.13	8.13	8.13	27.03	27.03	27.03	78.5	78.3	78.2	4.78	4.77	4.77	1.22	1.53	1.51	7	7.00
	23:35		Middle	3.0	32.30	32.30		8.13	8.13		27.03	27.03		77.2	78.6		4.71	4.80		1.78	1.50		7	
10/07/2018	15:57	Fine	Middle	4.0	29.40	29.40	29.45	8.33	8.33	8.33	27.50	27.50	27.50	69.3	69.7	70.4	4.54	4.57	4.61	3.69	3.68	3.69	6	6.50
	15:59		Middle	4.0	29.50	29.50		8.33	8.33		27.50	27.50		71.0	71.5		4.65	4.68		3.68	3.70		7	
12/07/2018	17:47	Cloudy	Middle	3.0	27.70	27.70	27.70	7.73	7.76	7.76	29.91	29.91	29.91	77.5	75.9	76.3	5.16	5.06	5.09	2.67	2.33	2.45	7	9.00
	17:48		Middle	3.0	27.70	27.70		7.78	7.78		29.91	29.91		76.0	75.8		5.10	5.05		2.41	2.39		11	
14/07/2018	21:45	Cloudy	Middle	3.5	26.10	26.10	26.10	7.94	7.94	7.94	30.54	30.54	30.54	79.6	79.9	79.9	5.42	5.45	5.44	5.02	5.13	5.08	9	10.00
	21:46		Middle	3.5	26.10	26.10		7.94	7.94		30.54	30.54		80.2	79.8		5.46	5.44		5.10	5.08		11	
16/07/2018	09:02	Rainy	Middle	3.5	26.80	26.80	26.80	7.95	7.95	7.97	29.67	29.67	29.67	56.7	57.3	57.1	3.84	3.88	<u>3.86</u>	9.95	9.82	9.83	11	11.00
	09:04		Middle	3.5	26.80	26.80		7.98	7.98		29.67	29.67		57.1	57.2		3.86	3.87		9.77	9.76		11	
18/07/2018	-	Tropical Cyclone Warning Signal No. 3	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
21/07/2018	02:40	Fine	Middle	3.5	29.00	29.00	29.00	7.95	7.95	7.95	30.35	30.35	30.35	80.5	78.3	79.8	5.26	5.10	5.21	2.33	2.35	2.25	3	4.00
	02:41		Middle	3.5	29.00	29.00		7.95	7.95		30.35	30.35		81.2	79.0		5.29	5.17		2.16	2.14		5	
24/07/2018	16:35	Cloudy	Middle	3.5	28.80	28.80	28.85	8.16	8.16	8.16	29.49	29.49	29.49	92.9	93.1	92.7	6.09	6.31	6.12	7.01	7.06	7.05	7	8.00
	16:37		Middle	3.5	28.90	28.90		8.16	8.16		29.49	29.49		92.2	92.6		6.02	6.06		7.06	7.07		9	
26/07/2018	21:11	Cloudy	Middle	3.5	29.70	29.70	29.70	7.96	7.96	7.96	28.94	28.94	28.94	74.3	77.3	75.1	4.74	4.94	4.78	1.28	1.27	1.23	6	6.50
	21:12		Middle	3.5	29.70	29.70		7.96	7.96		28.94	28.94		75.3	73.4		4.81	4.64		1.23	1.12		7	
28/07/2018	21:30	Fine	Middle	3.5	29.30	29.30	29.30	8.00	8.00	8.00	29.21	29.21	29.21	81.6	81.2	80.9	5.23	5.21	5.19	1.54	1.10	1.31	3	3.00
	21:31		Middle	3.5	29.30	29.30		8.00	8.00		29.21	29.21		80.7	80.0		5.17	5.13		1.34	1.24		3	
30/07/2018	07:22	Fine	Middle	3.0	28.80	28.80	28.80	8.05	8.05	8.05	28.42	28.42	28.42	76.9	79.1	78.8	5.06	5.21	5.17	1.23	1.19	1.19	2	3.00
	07:23		Middle	3.0	28.80	28.80		8.05	8.05		28.42	28.42		79.9	79.2		5.20	5.21		1.18	1.14		4	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at Culvert J - Reference Station
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
					°C			-			ppt			%			mg/L			NTU			mg/L	
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value
03/07/2018	08:20	Cloudy	Middle	3.5	27.60	27.60	27.60	8.07	8.07	8.07	27.79	27.79	27.80	80.1	80.7	80.9	5.41	5.45	5.46	2.86	2.90	2.90	3	3.00
	08:22		Middle	3.5	27.60	27.60		8.07	8.07		27.80	27.80		81.4	81.4		5.49	5.49		2.91	2.92		3	
05/07/2018	09:45	Fine	Middle	3.5	28.70	28.70	28.75	8.05	8.05	8.05	26.26	26.26	26.27	83.2	83.9	84.2	5.57	5.61	5.63	2.76	2.70	2.54	4	4.00
	09:47		Middle	3.5	28.80	28.80		8.05	8.05		26.27	26.27		85.0	84.8		5.67	5.66		2.00	2.70		4	
08/07/2018	23:41	Cloudy	Middle	2.5	32.20	32.20	32.20	7.82	7.82	7.82	25.45	25.45	25.45	35.7	36.9	36.4	2.20	2.26	2.23	2.53	2.50	2.58	8	7.00
	23:42		Middle	2.5	32.20	32.20		7.82	7.82		25.45	25.45		35.8	37.1		2.20	2.26		2.79	2.48		6	
10/07/2018	15:52	Fine	Middle	3.5	29.50	29.50	29.65	8.30	8.30	8.30	26.75	26.75	26.75	52.3	52.5	55.9	3.43	3.46	3.66	3.95	3.87	3.74	8	8.00
	15:54		Middle	3.5	29.80	29.80		8.30	8.30		26.74	26.74		59.3	59.4		3.87	3.87		3.57	3.57		8	
12/07/2018	18:00	Cloudy	Middle	3.0	27.80	27.80	27.78	7.59	7.59	7.58	26.99	26.99	26.99	58.0	58.8	59.6	3.92	3.98	4.03	2.14	1.97	2.06	9	8.50
	18:01		Middle	3.0	27.80	27.70		7.57	7.57		26.99	26.99		60.9	60.5		4.11	4.09		2.03	2.11		8	
14/07/2018	21:54	Cloudy	Middle	3.0	26.00	26.00	26.00	7.92	7.92	7.92	20.02	20.02	20.02	33.4	34.3	33.8	2.42	2.48	2.44	1.23	1.10	1.18	10	9.50
	21:55		Middle	3.0	26.00	26.00		7.92	7.92		20.02	20.02		33.6	33.7		2.43	2.44		1.20	1.17		9	
16/07/2018	08:58	Rainy	Middle	3.5	27.00	27.00	27.05	7.88	7.88	7.90	29.59	29.59	29.59	54.4	54.4	54.3	3.67	3.67	3.66	9.64	9.68	9.68	10	9.50
	09:00		Middle	3.5	27.10	27.10		7.91	7.91		29.59	29.58		54.2	54.0		3.66	3.64		9.69	9.69		9	
18/07/2018	-	Tropical Cyclone Warning Signal No. 3	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
21/07/2018	02:47	Fine	Middle	3.0	29.00	29.00	29.00	7.75	7.75	7.75	26.67	26.67	26.67	32.5	33.0	33.0	2.16	2.21	2.20	1.39	1.45	1.43	3	3.00
	02:48		Middle	3.0	29.00	29.00		7.75	7.75		26.67	26.67		33.4	33.1		2.22	2.20		1.40	1.47		3	
24/07/2018	16:30	Cloudy	Middle	3.5	29.20	29.20	29.25	8.12	8.12	8.14	29.43	29.43	29.43	97.3	97.1	96.6	6.33	6.32	6.28	7.01	7.06	7.03	6	6.00
	16:32		Middle	3.5	29.30	29.30		8.15	8.15		29.43	29.43		96.1	95.8		6.25	6.22		7.00	7.03		6	
26/07/2018	21:19	Cloudy	Middle	3.0	29.60	29.60	29.60	7.57	7.57	7.57	24.81	24.81	24.81	44.2	44.6	43.9	2.87	2.92	2.87	1.14	1.28	1.23	8	8.00
	21:20		Middle	3.0	29.60	29.60		7.57	7.57		24.81	24.81		42.8	44.1		2.80	2.89		1.31	1.20		8	
28/07/2018	21:39	Fine	Middle	3.0	29.20	29.20	29.20	7.69	7.69	7.69	24.67	24.67	24.67	54.9	54.9	62.3	3.62	3.68	3.63	1.21	1.18	1.18	4	4.00
	21:40		Middle	3.0	29.20	29.20		7.69	7.69		24.67	24.67		84.8	54.4		3.61	3.60		1.15	1.17		4	
30/07/2018	07:30	Fine	Middle	3.0	29.10	29.10	29.10	7.84	7.84	7.84	25.31	25.31	25.31	66.5	67.1	66.3	4.30	4.34	4.29	1.30	1.21	1.25	2	2.00
	07:31		Middle	3.0	29.10	29.10		7.84	7.84		25.31	25.31		66.0	65.7		4.27	4.25		1.26	1.23		2	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Colling Water Intake Group
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
03/07/2018	15:35	Cloudy	Middle	4.0	28.20	28.20	28.20	8.07	8.07	8.07	26.77	26.77	26.77	75.9	76.3	76.8	5.11	5.13	5.16	2.86	2.84	2.85	4	4.50
	15:37		Middle	4.0	28.20	28.20		8.07	8.07		26.77	26.77		77.4	77.5		5.20	5.21		2.84	2.85		5	
05/07/2018	14:35	Cloudy	Middle	4.0	27.90	27.90	27.90	8.13	8.13	8.13	26.61	26.61	26.61	78.0	77.7	77.1	5.28	5.25	5.21	2.76	2.76	2.74	5	4.50
	14:37		Middle	4.0	27.90	27.90		8.13	8.13		26.61	26.61		76.3	76.2		5.16	5.15		2.73	2.72		4	
07/07/2018	18:54	Cloudy	Middle	3.0	32.20	32.20	32.20	8.12	8.10	8.12	27.02	27.02	27.02	77.5	78.8	77.7	4.75	4.81	4.75	1.09	1.18	1.14	6	4.50
	18:55		Middle	3.0	32.20	32.20		8.12	8.12		27.02	27.02		77.2	77.4		4.72	4.73		1.16	1.13		3	
10/07/2018	09:46	Cloudy	Middle	3.5	27.70	27.70	27.70	8.26	8.26	8.27	28.08	28.08	28.08	72.8	72.3	72.1	4.90	4.87	4.85	3.12	3.12	3.15	6	6.00
	09:48		Middle	3.5	27.70	27.70		8.27	8.27		28.07	28.07		71.9	71.2		4.83	4.79		3.16	3.18		6	
12/07/2018	11:35	Fine	Middle	4.0	27.70	27.70	27.75	8.15	8.15	8.15	29.40	29.40	29.40	80.2	80.0	79.0	5.35	5.32	5.26	4.63	4.62	4.62	5	4.50
	11:37		Middle	4.0	27.80	27.80		8.15	8.15		29.40	29.40		78.1	77.5		5.20	5.15		4.61	4.62		4	
14/07/2018	11:25	Cloudy	Middle	4.0	27.00	27.00	27.05	8.10	8.10	8.11	30.82	30.82	30.83	86.9	87.2	87.2	5.81	5.83	5.83	6.02	6.00	6.00	7	7.50
	11:27		Middle	4.0	27.10	27.10		8.12	8.12		30.84	30.84		87.2	87.3		5.83	5.83		6.00	5.99		8	
16/07/2018	14:10	Fine	Middle	4.0	27.40	27.40	27.45	8.13	8.13	8.13	29.93	29.93	29.93	88.2	87.5	87.7	5.90	5.85	5.86	7.40	7.30	7.34	5	6.00
	14:12		Middle	4.0	27.50	27.50		8.13	8.13		29.93	29.93		87.4	87.7		5.84	5.86		7.32	7.33		7	
18/07/2018	15:35	Cloudy	Middle	4.0	27.40	27.40	27.40	7.89	7.89	7.90	30.40	30.40	30.40	92.4	93.0	92.8	6.12	6.20	6.17	6.23	6.23	6.24	8	8.50
	15:37		Middle	4.0	27.40	27.40		7.91	7.91		30.39	30.39		92.8	92.8		6.19	6.16		6.24	6.25		9	
20/07/2018	18:11	Fine	Middle	3.5	28.30	28.30	28.35	8.06	8.06	8.07	31.10	31.10	31.09	57.9	57.4	58.2	3.79	3.76	<u>3.81</u>	4.69	4.60	4.61	4	4.50
	18:13		Middle	3.5	28.40	28.40		8.07	8.07		31.08	31.08		58.3	59.2		3.82	3.87		4.57	4.57		5	
24/07/2018	10:10	Cloudy	Middle	4.0	28.80	28.80	28.80	8.01	8.01	8.02	30.11	30.11	30.11	92.7	93.1	92.9	6.05	6.08	6.06	5.68	5.60	5.62	7	6.50
	10:12		Middle	4.0	28.80	28.80		8.02	8.02		30.11	30.11		93.0	92.7		6.07	6.05		5.60	5.60		6	
26/07/2018	10:30	Fine	Middle	4.0	29.50	29.50	29.50	8.01	8.01	8.02	29.29	29.29	29.29	91.1	90.8	90.9	5.91	5.89	5.90	4.06	4.08	4.11	6	7.00
	10:32		Middle	4.0	29.50	29.50		8.02	8.02		29.28	29.28		91.0	90.7		5.90	5.89		4.17	4.14		8	
28/07/2018	11:45	Fine	Middle	4.0	29.40	29.40	29.45	8.03	8.03	8.04	29.42	29.42	29.42	82.8	83.3	83.8	5.38	5.41	5.44	2.56	2.56	2.56	4	4.00
	11:47		Middle	4.0	29.50	29.50		8.04	8.04		29.42	29.42		84.4	84.6		5.48	5.49		2.56	2.57		4	
30/07/2018	11:30	Fine	Middle	4.0	29.70	29.70	29.75	8.06	8.06	8.07	29.32	29.32	29.32	92.0	92.7	92.2	5.95	5.99	5.96	2.70	2.70	2.70	<2	2.00
	11:32		Middle	4.0	29.80	29.80		8.07	8.07		29.31	29.31		91.9	92.1		5.94	5.94		2.70	2.71		2	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



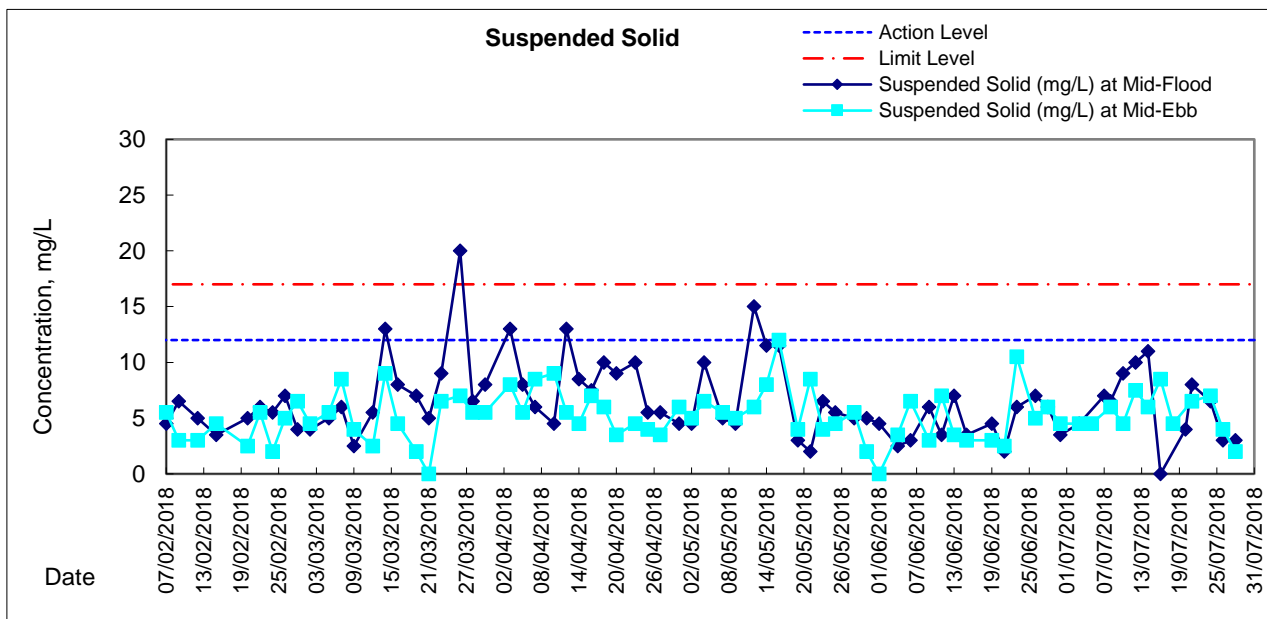
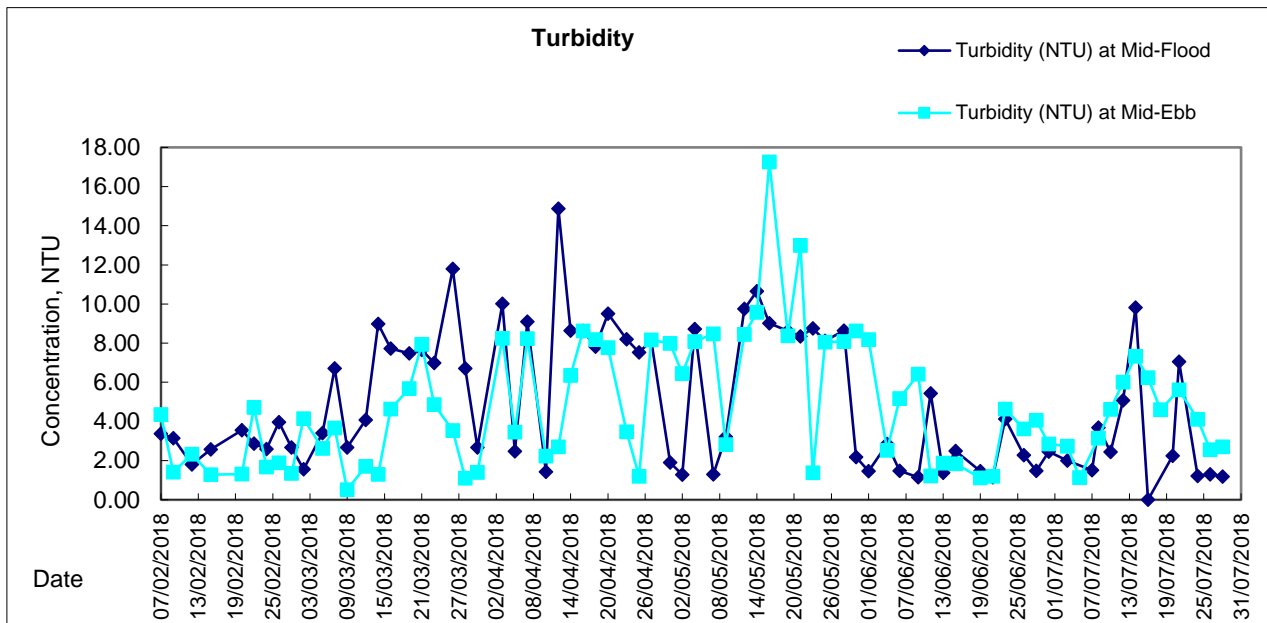
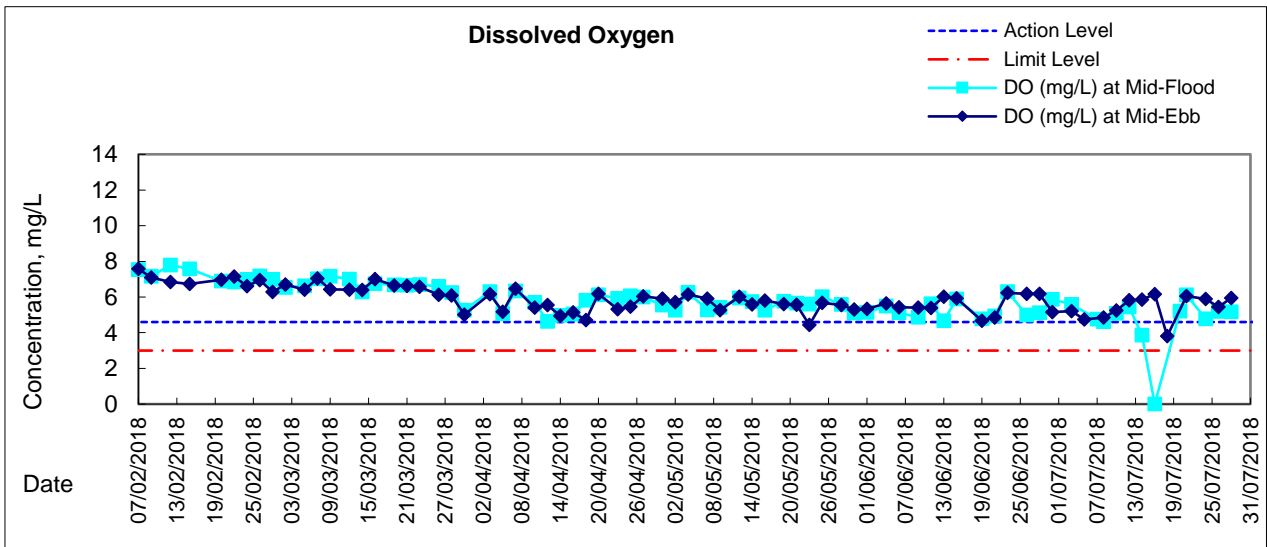
**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
03/07/2018	15:30	Cloudy	Middle	4	28.30	28.30	28.30	8.01	8.01	8.01	26.75	26.75	26.75	69.9	69.9	70.0	4.69	4.69	4.70	2.85	2.85	2.84	4	4.50
	15:32		Middle	4	28.30	28.30		8.01	8.01		26.75	26.75		70.0	70.3		4.70	4.71		2.84	2.82		5	
05/07/2018	14:30	Cloudy	Middle	4	28.10	28.10	28.20	8.12	8.12	8.12	26.67	26.67	26.67	81.6	81.5	81.7	5.48	5.48	5.50	3.02	3.00	2.99	6	5.50
	14:32		Middle	4	28.30	28.30		8.12	8.12		26.66	26.66		81.9	81.8		5.56	5.49		2.99	2.96		5	
07/07/2018	19:02	Cloudy	Middle	3	32.10	32.10	32.10	7.80	7.79	7.79	25.39	25.39	25.39	40.3	41.4	41.5	2.49	2.55	2.56	1.69	1.65	1.77	6	5.00
	19:03		Middle	3	32.10	32.10		7.79	7.79		25.39	25.39		41.3	43.1		2.55	2.66		1.84	1.91		4	
10/07/2018	09:50	Cloudy	Middle	4	27.70	27.70	27.70	8.28	8.28	8.28	28.06	28.06	28.07	66.6	66.4	66.1	4.49	4.46	4.45	2.34	2.38	2.38	5	5.00
	09:52		Middle	4	27.70	27.70		8.28	8.28		28.07	28.07		65.9	65.6		4.43	4.42		2.40	2.41		5	
12/07/2018	11:30	Fine	Middle	4	28.30	28.30	28.40	8.09	8.09	8.09	28.62	28.62	28.62	77.8	77.6	77.6	5.14	5.13	5.13	4.53	4.55	4.53	2	2.00
	11:32		Middle	4	28.50	28.50		8.09	8.09		28.62	28.62		77.5	77.6		5.13	5.13		4.51	4.52		2	
14/07/2018	11:30	Cloudy	Middle	4	26.80	26.80	26.85	8.13	8.13	8.13	30.44	30.44	30.44	84.4	84.2	84.4	5.68	5.66	5.68	6.22	6.23	6.22	9	9.00
	11:32		Middle	4	26.90	26.90		8.13	8.13		30.44	30.44		84.1	84.9		5.65	5.71		6.20	6.24		9	
16/07/2018	14:05	Fine	Middle	4	27.60	27.60	27.65	8.11	8.11	8.12	29.94	29.94	29.94	85.9	96.1	88.4	5.72	5.74	5.73	6.03	6.02	6.02	6	6.50
	14:07		Middle	4	27.70	27.70		8.12	8.12		29.94	29.94		85.8	85.9		5.72	5.72		6.02	6.02		7	
18/07/2018	15:30	Cloudy	Middle	4	27.40	27.40	27.40	7.76	7.76	7.85	30.80	30.80	30.81	93.6	93.7	93.9	6.24	9.24	7.01	6.52	6.51	6.51	7	7.00
	15:32		Middle	4	27.40	27.40		7.93	7.93		30.81	30.81		94.2	93.9		6.28	6.26		6.51	6.51		7	
20/07/2018	18:07	Fine	Middle	4	28.40	28.40	28.45	8.03	8.03	8.04	31.00	31.00	31.00	60.5	60.2	60.3	3.95	3.93	3.93	4.66	4.66	4.67	<2	<2
	18:09		Middle	4	28.50	28.50		8.04	8.04		31.00	31.00		60.1	60.2		3.92	3.93		4.67	4.67		<2	
24/07/2018	10:05	Cloudy	Middle	4	29.00	29.00	29.10	7.95	7.95	7.96	30.12	30.12	30.12	95.0	94.2	94.2	6.17	6.12	6.12	5.89	5.91	5.93	5	5.00
	10:07		Middle	4	29.20	29.20		7.97	7.97		30.11	30.11		93.8	93.9		6.09	6.09		5.92	5.98		5	
26/07/2018	10:25	Fine	Middle	4	29.70	29.70	29.75	7.94	7.94	7.96	29.33	29.33	29.33	95.6	94.9	94.9	6.17	6.13	6.12	3.96	3.95	3.92	4	5.00
	10:28		Middle	4	29.80	29.80		7.98	7.98		29.33	29.33		94.5	94.4		6.10	6.09		3.87	3.88		6	
28/07/2018	11:40	Fine	Middle	4	29.90	29.90	29.85	8.00	8.00	8.00	27.98	27.98	28.08	90.7	90.6	89.3	5.90	5.89	5.79	3.57	3.56	3.57	3	3.50
	11:42		Middle	4	29.80	29.80		8.00	8.00		28.18	28.18		87.6	88.1		5.67	5.71		3.58	3.58		4	
30/07/2018	11:25	Fine	Middle	4	30.10	30.10	30.15	8.02	8.02	8.03	29.37	29.37	29.37	95.2	94.1	93.2	6.11	6.03	5.97	3.07	3.14	3.12	3	3.50
	11:27		Middle	4	30.20	30.20		8.03	8.03		29.37	29.37		91.4	91.9		5.86	5.88		3.16	3.10		4	

Remarks:
Single underline denotes exceedance over Action Level.
Double underline denotes exceedance over Limit Level.



Graphic Presentation of Water Quality Result of M5B - Central Cooling Water Intake Groups





Graphic Presentation of Water Quality Result of Culvert J - Reference Station

